LISTING OF CLAIMS

Claims 1-50 (cancelled)

- 51. (currently amended) A conservation tillage implement comprising:
 - a) a cultivator frame-having three or more longitudinally-spaced apart transverse cross members;
 - b) a plurality of individual coulter wheel assemblies;
 - a mounting means corresponding to each individual coulter wheel assembly;
 and.
 - d) three or more longitudinally spaced apart rows of laterally spaced apart individual coulter wheel assemblies, each coulter wheel assembly removably individually mounted on-to the frame using the mounting means and laterally spaced apart from adjacent coulter wheel assemblies in order to reduce plugging of crop residue between the coulter wheel assembly in a given row begin staggered with respect to the coulter wheel assembly in a given row begin staggered with
- 52. (Currently amended) The conservation tillage implement according to claim 51, wherein each coulter wheel assembly is laterally adjustable and able to deflect upwardly about a horizontal axis in response to impact with an obstacle.
- 53. (currently amended) The conservation tillage implement according to claim 51, wherein each coulter wheel assembly comprises a coulter wheel and a corresponding spring element, the spring element having a horizontal spring axis about which the coulter wheel arcuately deflects in response to impact with an obstacle.
- 54. (currently amended) The conservation tillage implement according to claim 80 [[53]], wherein the spring element comprises a coil spring having upper and lower shank ends extending tangentially therefrom.

- 55. (Original) The conservation tillage implement according to claim 54, wherein the lower shank end is permitted to deflect upwardly about the horizontal spring axis in response to impact with an obstacle.
- 56. (Original) The conservation tillage implement according to claim 51, wherein the mounting means permits rotational movement of the coulter wheel assembly about a vertical axis.
- 57. (Original) The conservation tillage implement according to claim 56, wherein the mounting means comprises a vertically extending hollow strut having a pair of opposed horizontal slots therethrough.
- 58. (Original) The conservation tillage implement according to claim 57, wherein the coulter wheel assembly comprises a shank having a horizontal hole therethrough and wherein the shank is secured within the hollow strut by means of a horizontal pin extending through the slots and the hole, thereby permitting rotational movement of the shank within the hollow strut about the vertical axis.
- 59. (Currently amended) The conservation tillage implement according to claim 51, wherein each row-the implement further comprises removable individual field working tools.

Claims 60-67. (Cancelled)

- **68. (Currently amended)** A kit for making a conservation tillage implement according to claim-54-from an existing cultivator frame comprising:
 - (a) a plurality of coulter wheel assemblies;
 - (b) a plurality of mounting means for mounting the coulter wheel assemblies to the cultivator frame; and,
 - (c) a set of instructions for mounting the <u>each</u> coulter wheel <u>assemblies assembly</u> to the cultivator frame using the mounting means laterally spaced apart from adjacent

- coulter wheel assemblies in order to reduce plugging of crop residue between the coulter wheels.
- **69.** (Original) The kit according to claim **68**, wherein the kit further comprises a stilt means for increasing the height of the cultivator frame relative to ground level.
- 70. (Currently amended) A method of assembling a conservation tillage implement according to claim-51 comprising:
 - (a) providing a cultivator frame-having longitudinally-spaced apart transverse cross members:
 - (b) providing a plurality of individual coulter wheel assemblies;
 - (c) providing a mounting means for <u>corresponding to</u> each <u>individual</u> coulter wheel assembly; and,
 - (d) removably-mounting the <u>each</u> coulter wheel assemblies <u>assembly</u> to the frame using the mounting means to form three or more longitudinally spaced apart rows of laterally spaced apart coulter wheel assemblies, a coulter wheel assembly in a given row being staggered with respect to the coulter wheel assemblies in a longitudinally adjacent row. <u>laterally spaced apart from adjacent coulter wheel</u> assemblies in order to reduce plugging of crop residue between the coulter wheels.
- 71. (new) The conservation tillage implement according to claim 51, wherein each coulter wheel assembly is able to deflect upwardly in response to impact with an obstacle.
- **72.** (new) The conservation tillage implement according to claim 51, wherein the frame comprises three or more longitudinally spaced apart transverse cross-members.
- 73. (new) The conservation tillage implement according to claim 72, wherein the implement comprises three or more longitudinally spaced apart rows of coulter wheel assemblies.

- **74.** (new) The conservation tillage implement according to claim 73, wherein the coulter wheel assemblies are mounted to the transverse cross-members.
- **75** (new) The conservation tillage implement according to claim 73, wherein a coulter wheel assembly in a given row is staggered with respect to the coulter wheel assemblies in a longitudinally adjacent row.
- 76. (new) The conservation tillage implement according to claim 75, wherein the implement further comprises removable individual field working tools and wherein the individual coulter wheel assemblies in a given row are staggered with respect to all coulter wheel assemblies and field working tools in longitudinally adjacent rows of the conservation tillage implement.
- 77. (new) The conservation tillage implement according to claim 73, wherein there are a plurality of transverse cross-members for a given row.
- 78. (new) The conservation tillage implement according to claim 77, wherein the plurality of transverse cross-members are aligned along a common transverse axis.
- **79.** (new) The conservation tillage implement according to claim 51, wherein the implement is able to operate at shallow depths for seedbed preparation.
- **80.** (new) The conservation tillage implement according to claim 53, wherein the spring element has a horizontal spring axis about which the coulter wheel arcuately deflects in response to impact with an obstacle.